

CLAIMS

1. An accessory system of a cordless hand held power tool, comprising:
the tool;
an accessory unit (40) comprising a separate motor (49) for powering the unit, which accessory unit is releasably mountable on the tool; and
a battery pack (4);
characterised in that the battery pack can be mounted on the accessory unit for powering the accessory unit and, when the accessory unit is mounted on the tool, for powering the tool via the accessory unit.
2. An accessory system according to claim 1 wherein the battery pack (4) can be releasably mounted on the tool or can be separately releasably mounted on the accessory unit.
3. An accessory system according to claim 1 or claim 2 wherein the tool includes a switch for actuating the motor of the tool arranged such that when the battery pack is mounted on the accessory unit and when the accessory unit is mounted on the tool, depression of the switch actuates power supply to the motor of the tool and to the motor of the accessory unit.
4. An accessory system according to any one of the preceding claims wherein the tool comprises a common mechanical and electrical interface (28) via which the battery pack (4) is mounted on and electrically connected to the tool or via which the accessory unit (40) is mounted on and electrically connected to the tool.
5. An accessory system according to claim 4 wherein the mechanical and electrical interface comprises a rail and groove connection (28) and releasable latch arrangement.
6. An accessory system according to any one of the preceding claims wherein the battery pack (4) comprises a common mechanical and electrical interface (12, 14, 16) via which it is mounted on and electrically connected to the accessory unit (40) or via which it is mounted on and electrically connected to the tool.
7. An accessory system according to claim 6 wherein the mechanical and electrical interface comprises a rail and groove connection (14) and a releasable latch arrangement (10).

8. An accessory system according to any one of the preceding claims wherein the accessory unit comprises a first electrical and mechanical interface (56, X), via which it is mounted on and electrically connected to the tool and a second electrical and mechanical interface (64, W), via which it is mounted on and electrically connected to the battery pack (4) and an electrical connection (XW) between the first and second interfaces, via which electrical current is passed from the battery pack to the tool, when the accessory unit is mounted on the tool and the battery pack is mounted on the accessory unit.
9. An accessory system according to any one of the preceding claims wherein the accessory unit is a dust collection unit (40) for collecting dust generated by the operation of the tool.
10. An accessory system according to claim 9 wherein the dust collection unit (40) includes a fan and the motor (49) of the unit powers the fan so as to generate a dust collecting airflow.
11. An accessory system according to claim 10 wherein the dust collection unit comprises a shroud (32) for collecting dust from the region of a tool or bit (32) of the tool, which shroud communicates with a filter housing, incorporating a filter, such that an airflow generated by the fan passes into the shroud, into the filter housing and then into the fan.
12. An accessory system according to any one of the preceding claims wherein the battery pack (4) is mounted on the tool from a first direction with respect to a longitudinal axis of the tool and is mounted on the accessory unit (40), when the accessory unit is mounted on the tool, from a second different direction with respect to the axis.
13. An accessory system according to any one of the preceding claims wherein the tool is a drilling and/or hammering tool.
14. An accessory system substantially as hereinbefore described with reference to any one of the accompanying drawings.
15. An accessory unit (40) for a cordless hand held power tool which is releasably mountable on such a tool and comprises a separate motor (49) for powering the unit, characterised in that the accessory unit comprises a first interface (14, X) via which it can be mechanically and electrically connected to such a tool and a second interface (64, W) via which it can be

mechanically and electrically connected to a battery pack (4), which battery pack is for powering the motor of the accessory unit and, when the accessory unit is mounted on such a tool, for powering such a tool via the accessory unit.

16. An accessory unit according to claim 15 wherein the motor of the accessory unit is actuated when a tool to which the accessory unit is mounted is actuated.

17. An accessory unit according to claim 15 or claim 16 wherein one or each of the interfaces comprises a rail and groove connection (28, 64) and releasable latch arrangement.

18. An accessory unit any one of claims 15 to 17 additionally comprising an electrical connection (XW) between the first and second interfaces, via which electrical current is passed from a battery pack to a tool, when the accessory unit is mounted on a tool and a battery pack is mounted on the accessory unit.

19. An accessory unit according to any one of claims 15 to 18 wherein the accessory unit is a dust collection unit (40) for collecting dust generated by operation of such a tool.

20. An accessory unit according to claim 19 wherein the dust collection unit (40) includes a fan and the motor (49) of the unit powers the fan so as to generate a dust collecting airflow.

21. An accessory unit according to claim 20 comprising a shroud (32) for collecting dust from the vicinity of a tool or bit (32) of a tool, which shroud communicates with a filter housing, incorporating a filter, such that an airflow generated by the fan passes into the shroud, into the filter housing and then into the fan.

22. An accessory unit substantially as hereinbefore described with reference to any one of Figures 4 to 6.